

MAR 10 2005



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Fig. 1

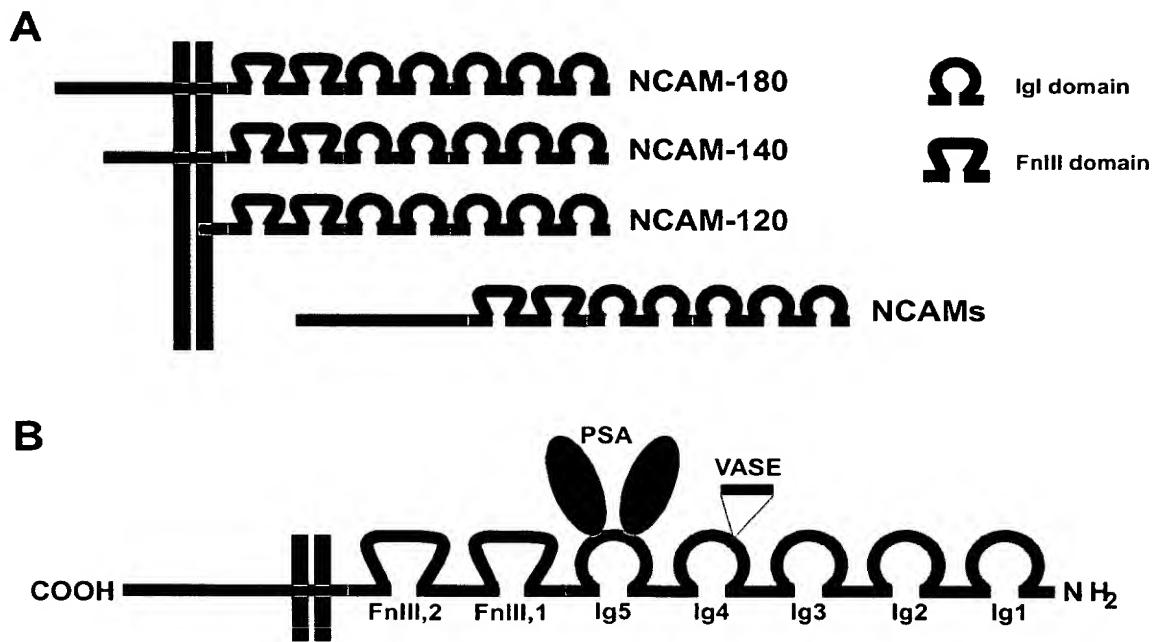
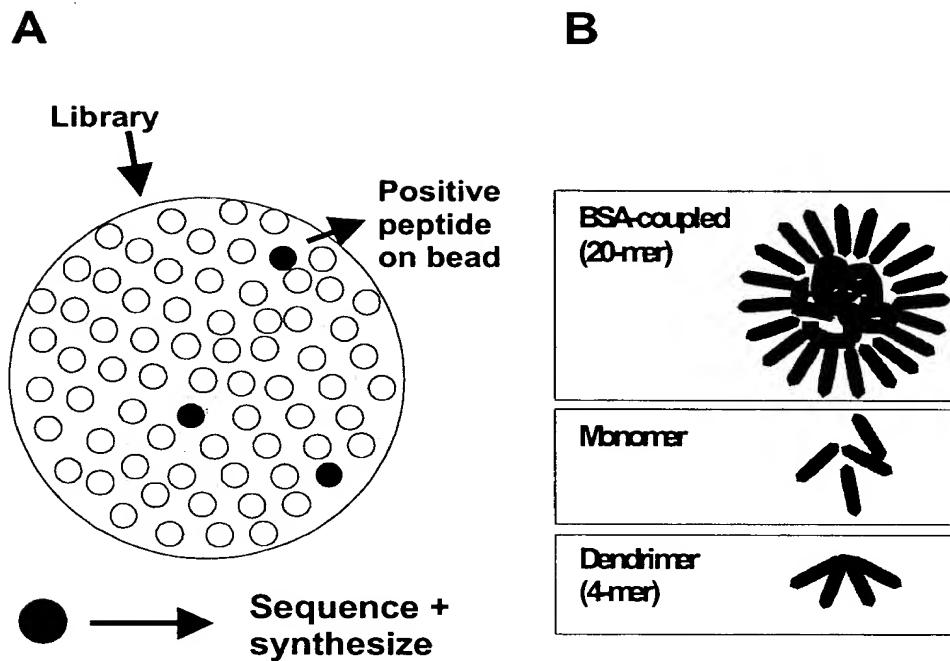


Fig. 2



C

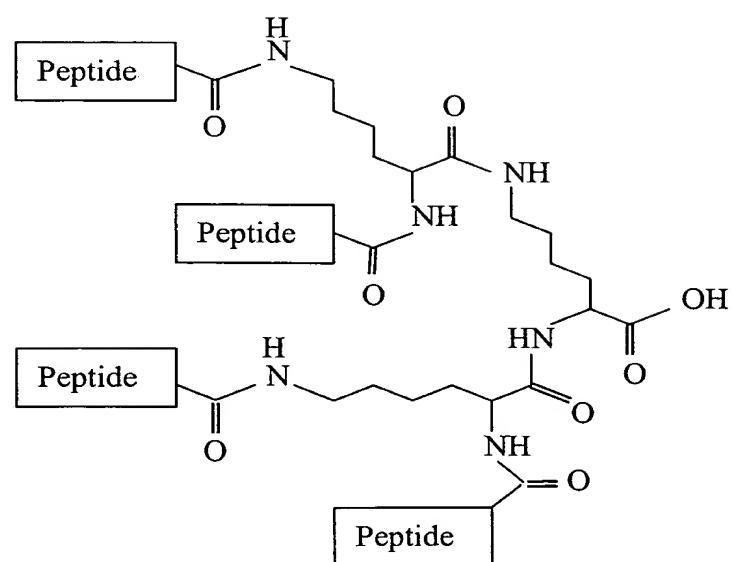


Fig. 3

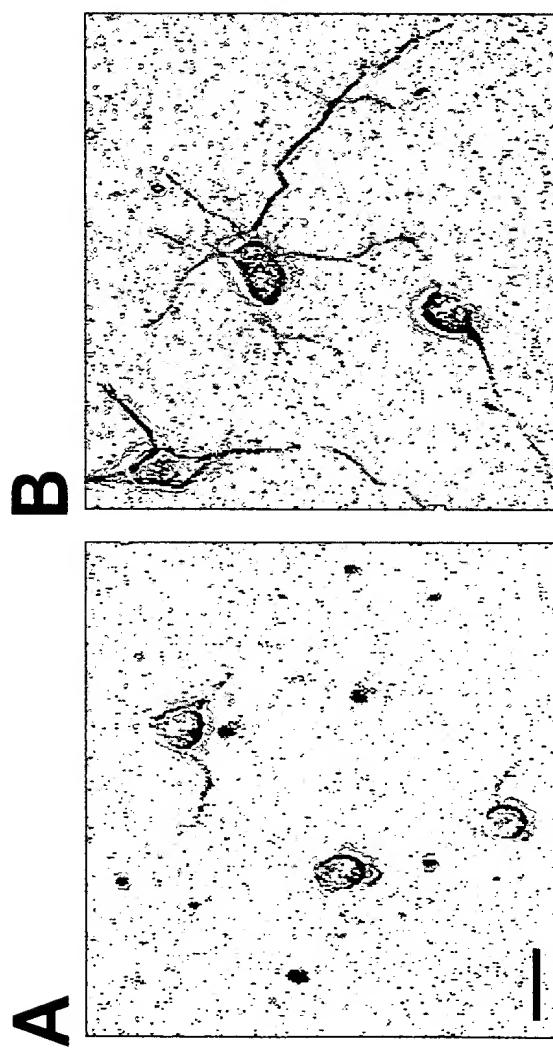


Fig. 4

| | | SEQ ID NO.: |
|---|---|---|
| A | ARALNWGAKPK AGSAVKLKKKA AKYVLIPIRIS ASTKRSMQGI ARRAILM ^{QTN} AL AYYLIVRVNRI ATNKKTGRRPR AKRNGPLINRI AKRSVQKLDGQ ARQKTMKPRRS AGDYNPDLDR ASKKPKRNIKA ARKTREERKSKD ASQAKRRKGPR APKLDRMLTKK AKKEKPNKPND AQMGGRQSIDRN AEGGKKKKMRA AKKERQRKDQTQ AKKKEQKQQRNA AKSRKGNSSLM ARKSRDMDTAIK | 3 4 5 6 7 8 9 10 11 12 13 1 14 15 16 17 18 19 2 20 21 22 |
| B | C3 ASKKPKRNIKA AKRNGPLINRI AKRSVQKLDGQ ASTKRSMQGI ATNKKTGRRPR ARALNWGAKPK ARQKTMKPRRS | 1 39 40 41 42 43 44 |
| C | D3 AKKERQRKDQTQ AKKEKPNKPND ARKTKSREERKD | 2 45 46 |
| D | D4 ARALNWGAKPK ATNKKTGRRPR | 3 47 |

Fig. 5

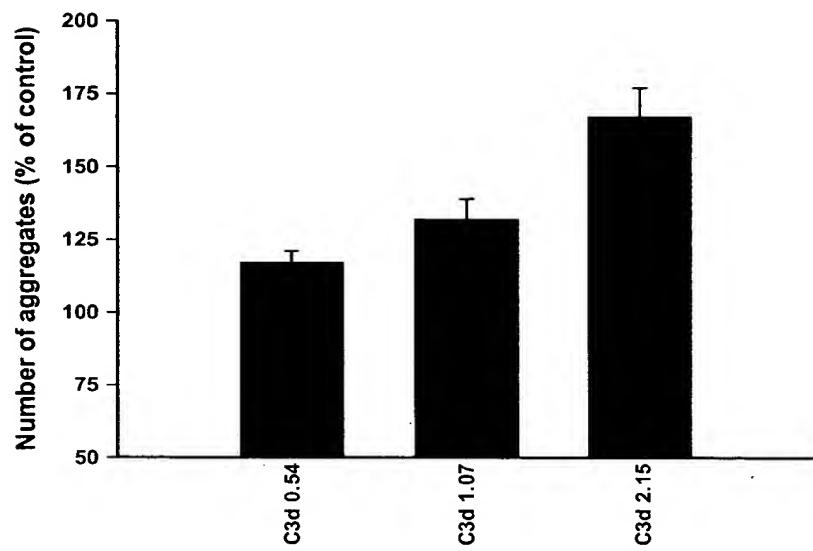


Fig. 6

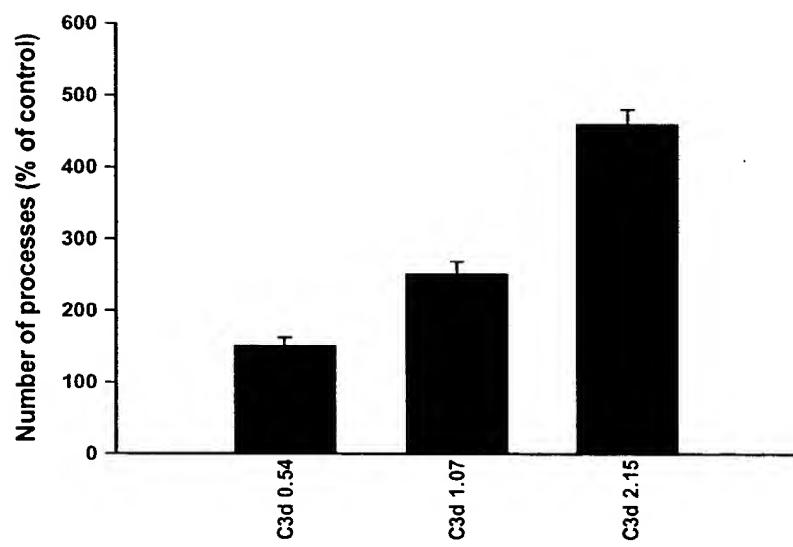


Fig. 7

| No.: | Peptide | Sequence | Effect* | Neur | Agg |
|------|--------------------|---------------------------|---------|------|-----|
| 1 | C3 | A S K K P K# R N I K A | ++ | -- | -- |
| 2 | C3dacetyl.K(120) | A S K# K# P K# R N I K# A | + | -- | -- |
| | Ala subst K/R | | | | |
| 3 | 116 | A S K K P K A N I K A | ++ | -- | -- |
| 4 | 117 | A S K K P A A N I K A | 0 | 0 | 0 |
| 5 | 118 | A S K A P A A N I K A | 0 | 0 | 0 |
| 6 | 119 | A S A A P A A N I K A | 0 | 0 | 0 |
| | P→A | | | | |
| 7 | 122 | A S K K A K R N I K A | ++ | -- | -- |
| | Scrambled C3 | | | | |
| 8 | 120 | A K K R I S A N P | ++ | -- | -- |
| 9 | 114 | P N A S I R K K A | ++ | -- | -- |
| 10 | C3scr | K N S P K A R I K A | ++ | -- | -- |
| 11 | D3 | A K K E R Q R K D T Q | ++ | -- | -- |
| 12 | scrambled D3 | R T K Q D K A Q E R K | ++ | -- | -- |
| 13 | D4 | A R A L N W G A K P K | ++ | -- | -- |
| 14 | scrambled D4 | G L K R W A P N K A | ++ | -- | -- |
| 15 | K6 (dendrimer 115) | K K K K | + | - | - |

* effect on neurite extension (neur) and aggregation (agg)
 # acetylation on lysine

1. -SEQ ID NO.: 1
2. -SEQ ID NO.: 27
3. -SEQ ID NO.: 28
4. -SEQ ID NO.: 29
5. -SEQ ID NO.: 30
6. -SEQ ID NO.: 31
7. -SEQ ID NO.: 32
8. -SEQ ID NO.: 33
9. -SEQ ID NO.: 34
10. -SEQ ID NO.: 35
11. -SEQ ID NO.: 2
12. -SEQ ID NO.: 36
13. -SEQ ID NO.: 3
14. -SEQ ID NO.: 37
15. -SEQ ID NO.: 38

Fig. 8

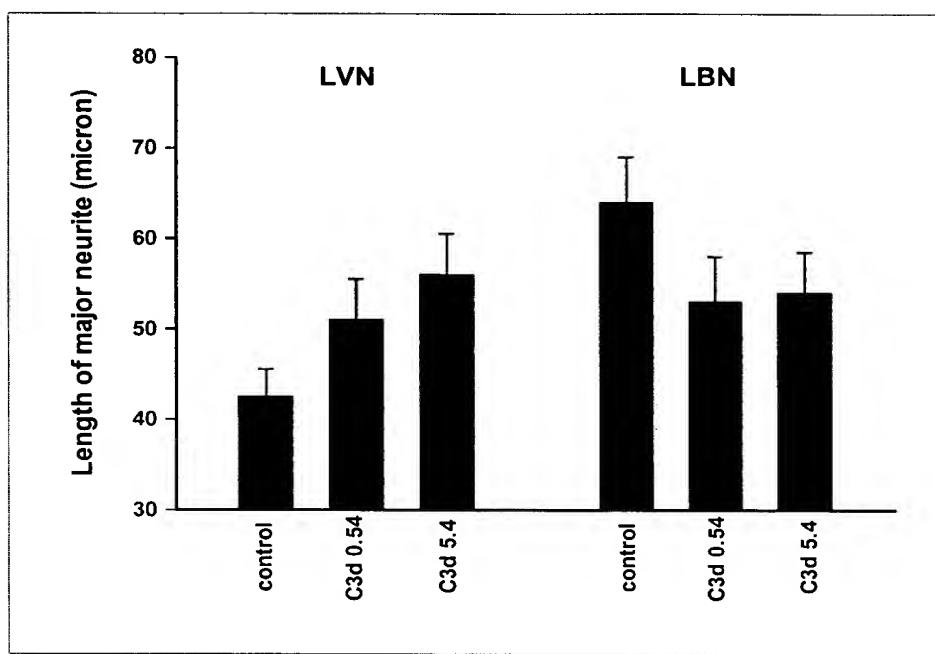


Fig. 9

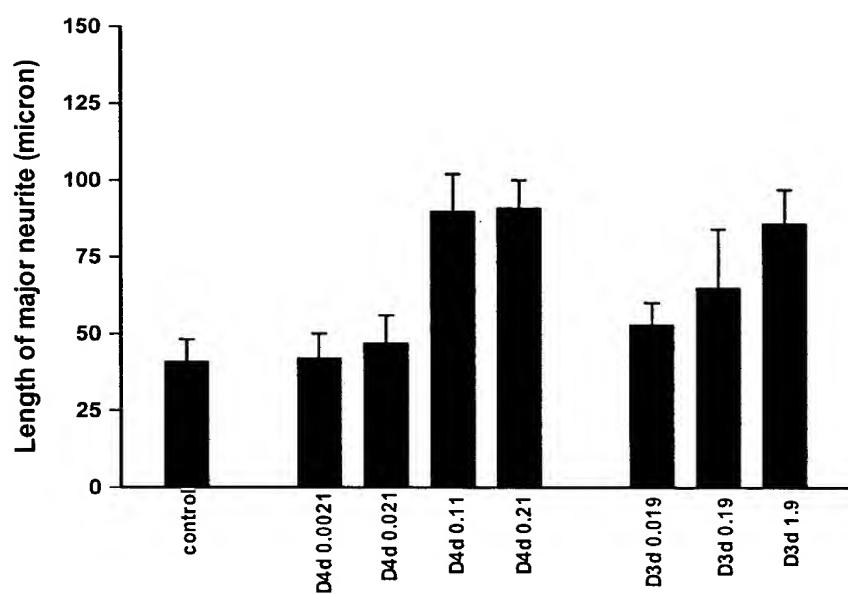


Fig. 10

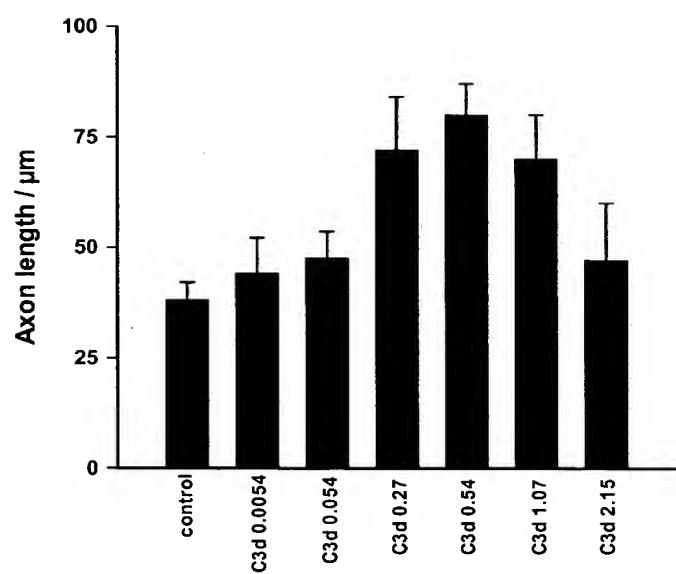


Fig. 11

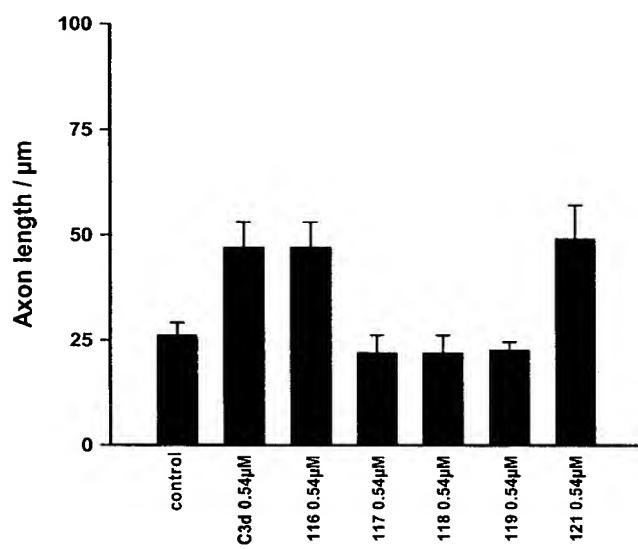


Fig. 12

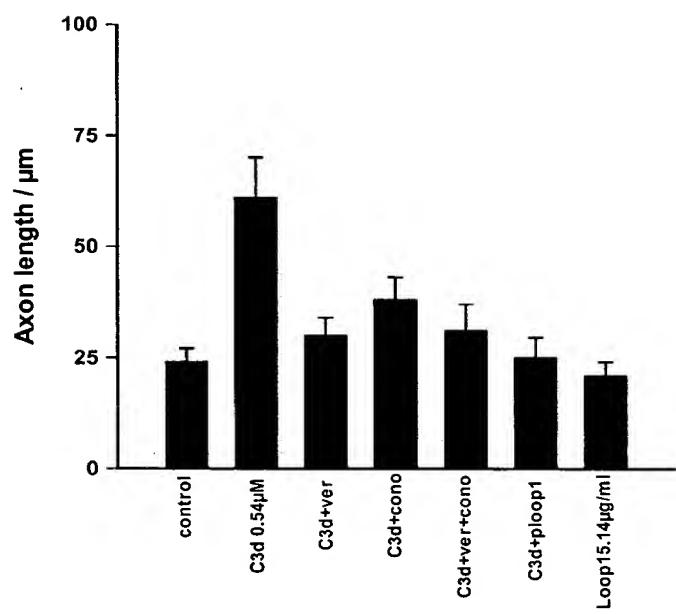


Fig. 13

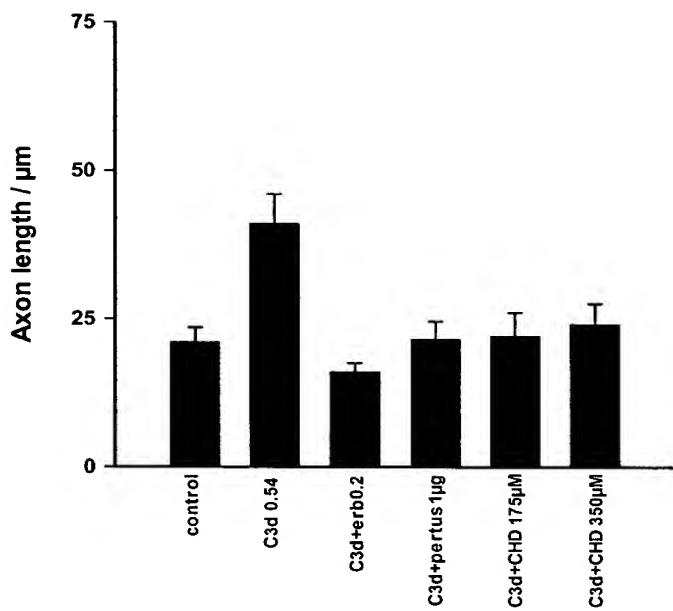


Fig. 14

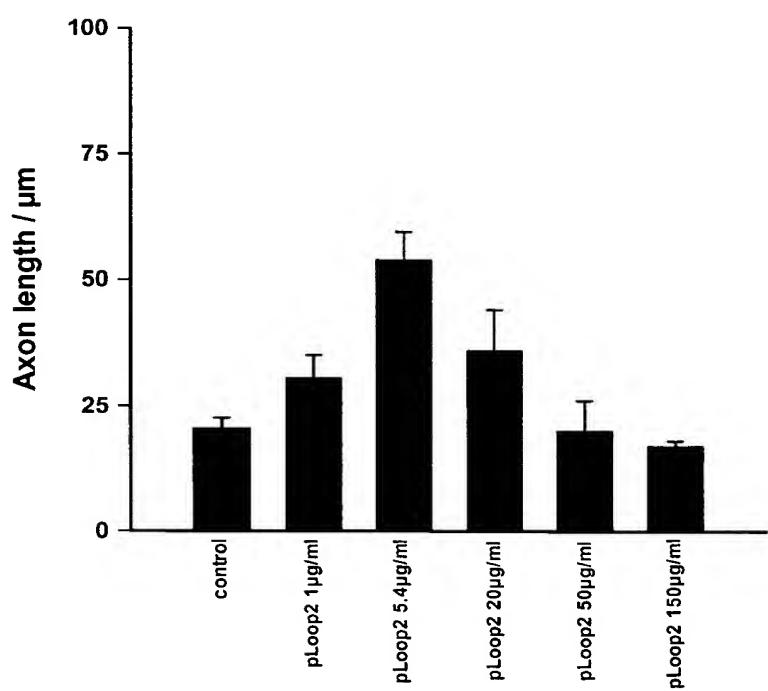


Fig. 15

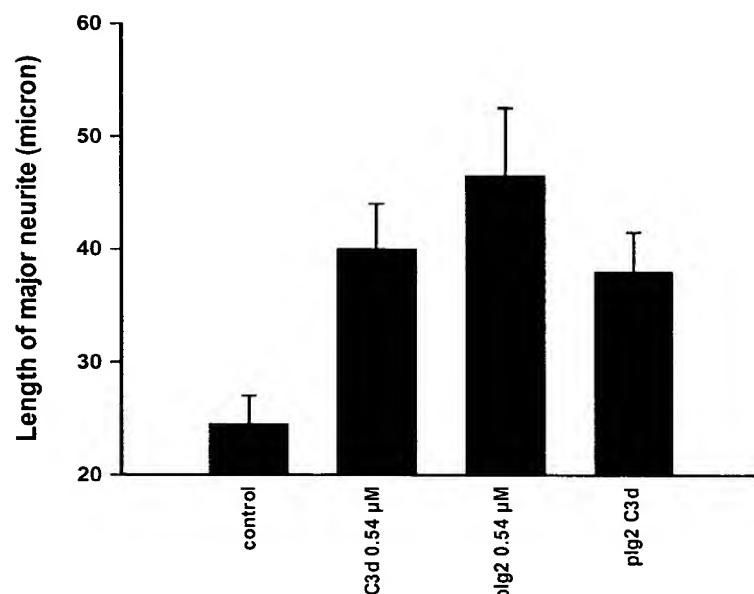


Fig. 16

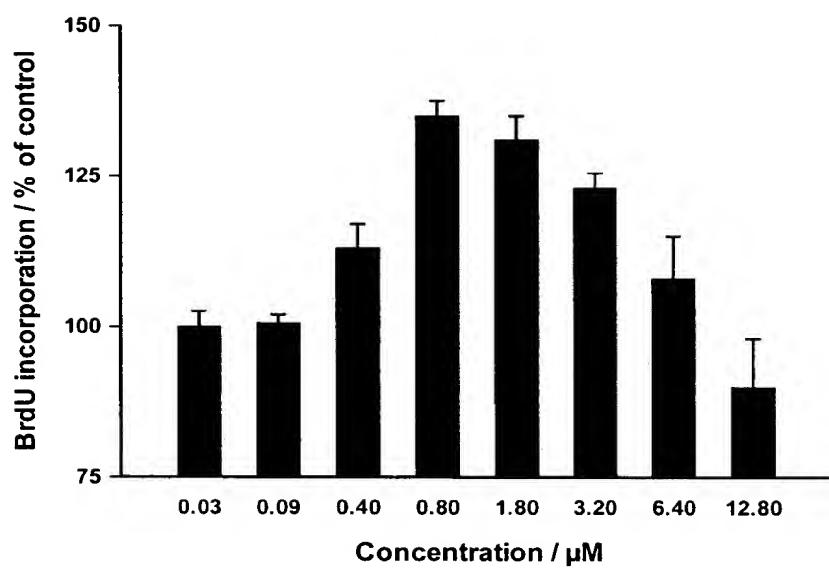
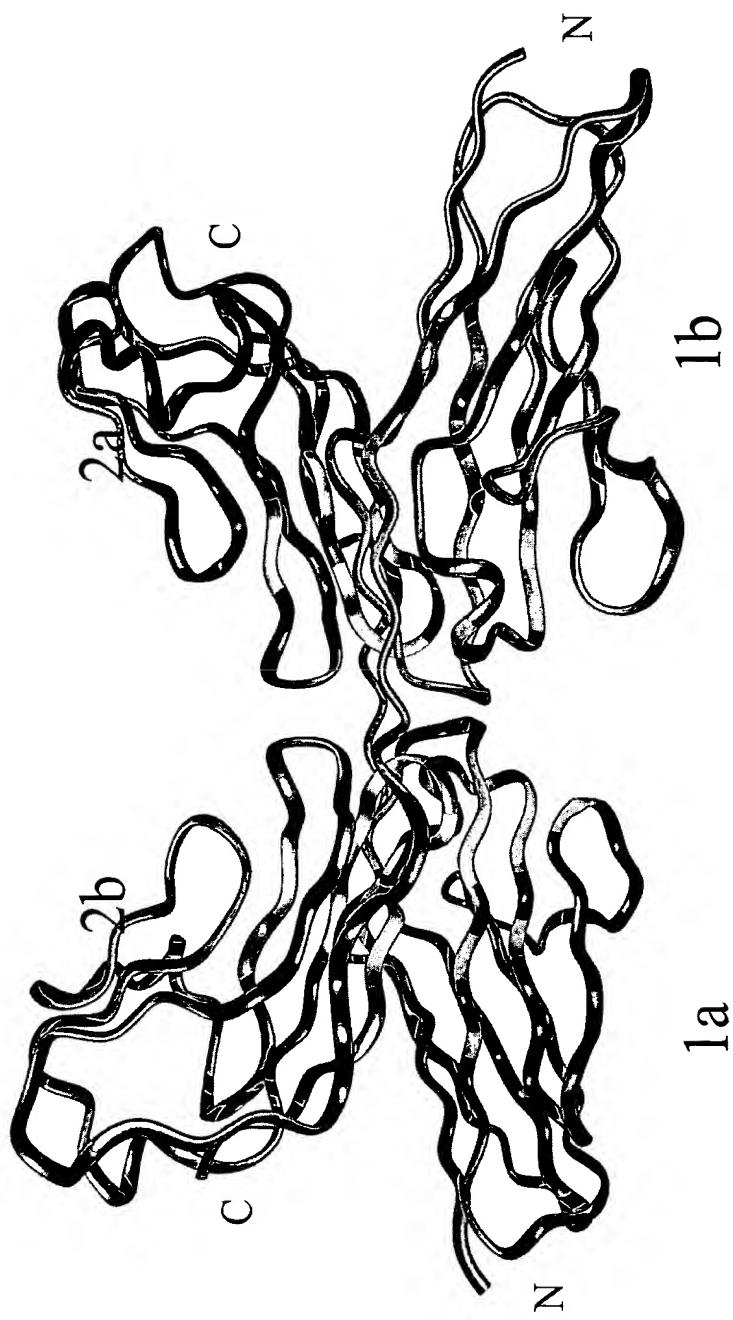


FIG. 17

1 MLQTKDLIWT LFFLGTAVSL QVDIVPSQGE ISVGESKFFL CQVAGDAKDK DISWFSPNGE
61 KLTPNQQRIS VVWNDDSSST LTIYNANIDD AGIYKCVVTG EDGSESEATV NVKIFQKLMF
121 KNAPTPQEFR EGEDAVIVCD VVSSLPPPTII WKHKGRDVIL KKDVRFIVLS NNYLQIRGIK
181 KTDEGTYRCE GRILARGEIN FKDIQVIVNV PPTIQARQNI VNATANLGQS VTLVCDAEGF
241 PEPTMSWTKD GEQIEQEEDD EKYIFSDDSS QLTIKKVDKN DAEYICIAE NKAGEQDATI
301 HLKVFAKPKI TYVENQTAME LEEQVTLTCE ASGDPIPSIT WRTSTRNISS EEKTLDGHMV
361 VRSHARVSSL TLKSIQYTDA GEYICTASNT IGQDSQSML EVQYAPKLQG PVAVYTWEGR
421 QVNITCEVFA YPSATISWFR DGQLLPSSNY SNIKIYNTPS ASYLEVTPDS ENDFGNYNCT
481 AVNRIGQESL EFILVQADTP SSPSIDQVEP YSSTAQVQFD EPEATGGVPI LKYKAEWRAV
541 GEEVWHSKWY DAKEASMEGI VTIVGLKPET TYAVRLAALN GKGLGEISAA SEFKTQPVQG
601 EPSAPKLEGQ MGEDGNSIKV NLIKQDDGGS PIRHYLVRYR ALSSEWKPEI RLPSGSDHVM
661 LKSLDWNAEY EVYVVAENQQ GKSAAHFVF RTSAQPTAIP ANGSPTSGLS TGAIVGILIV
721 IFVLLLVVVD ITCYFLNKCG LFMCIAVNLC GKAGPGAKGK DMEEGKAFFS KDESKEPIVE
781 VRTEEEERTPN HDGGKHTEPN ETTPLTEPEK GPVEAKPECQ ETETKPAPE VKTVPNDATQ
841 TKENESKA

Fig. 18 A



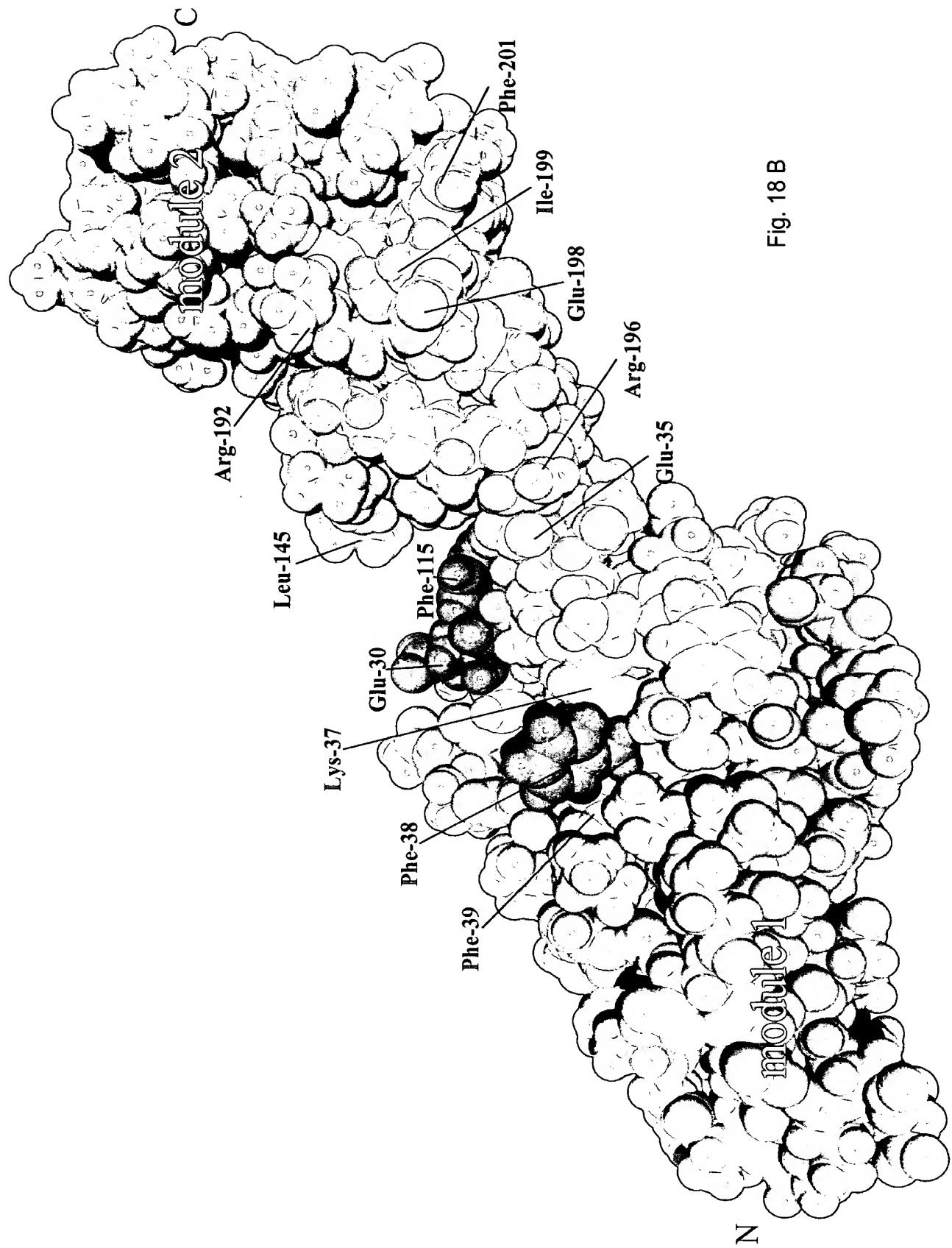


Fig. 18 B

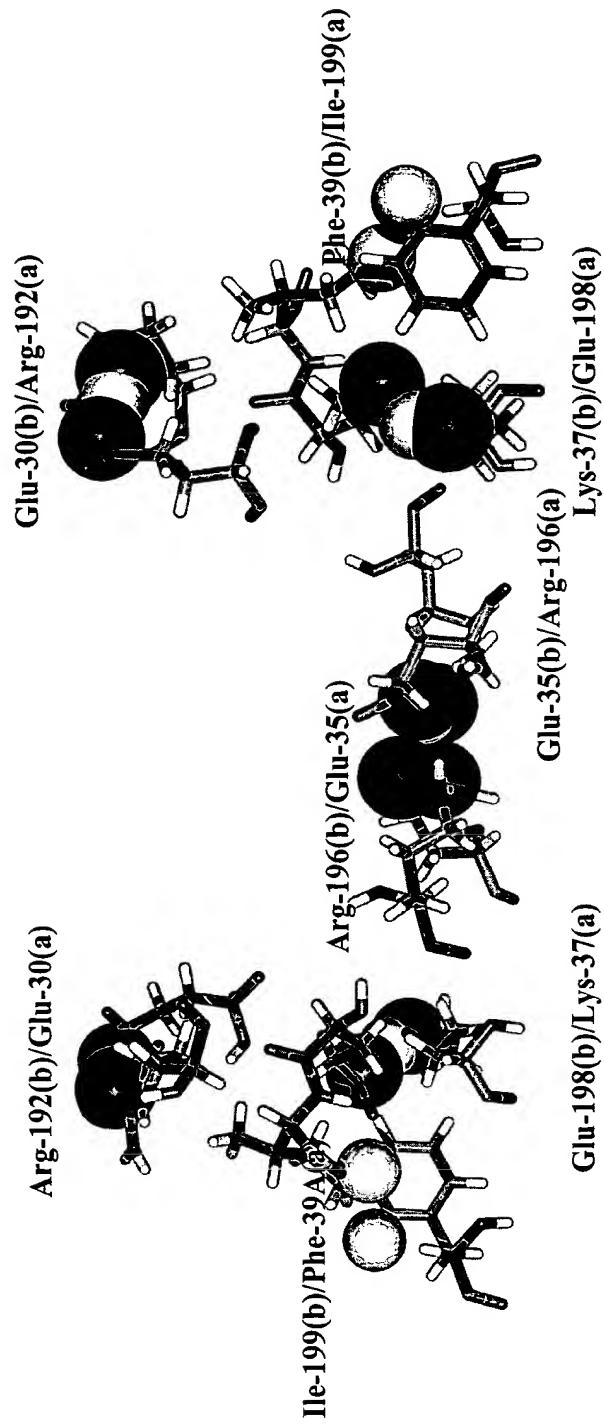


Fig. 18 C

Fig. 19

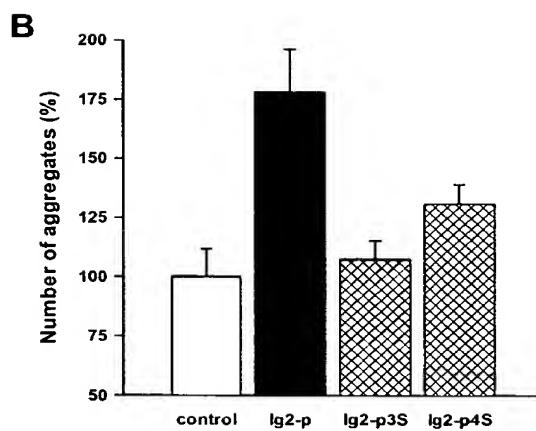
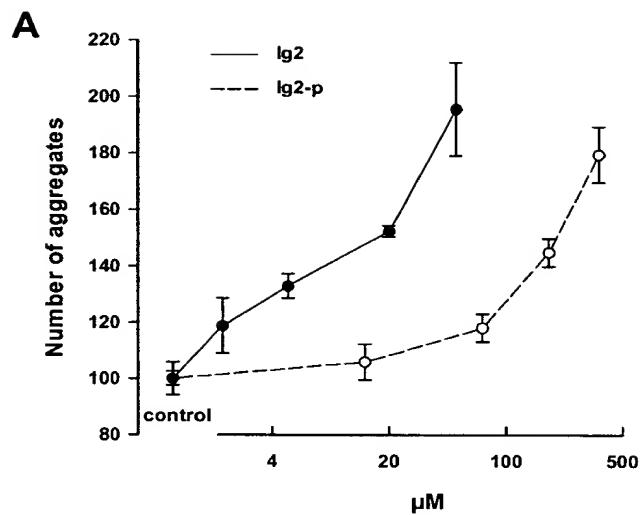


Fig. 20

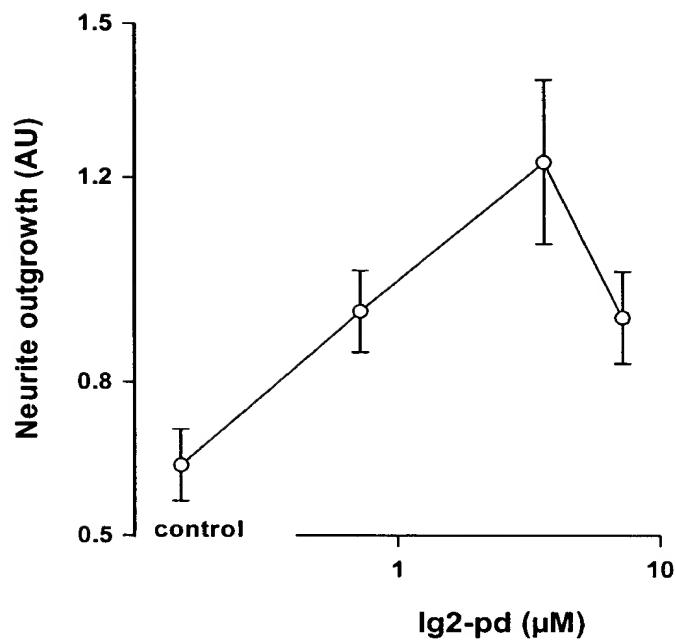
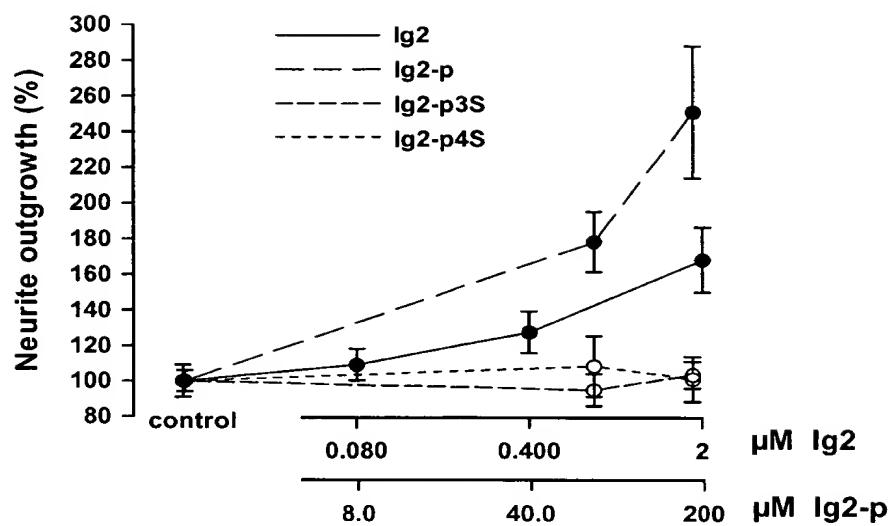


Fig. 21



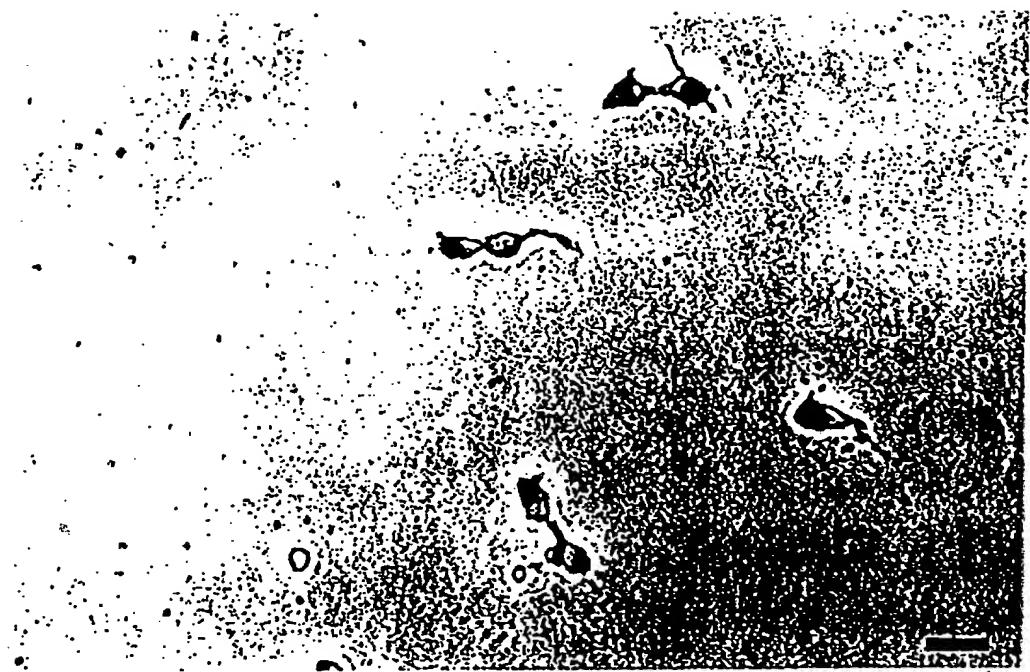


FIG. 22A

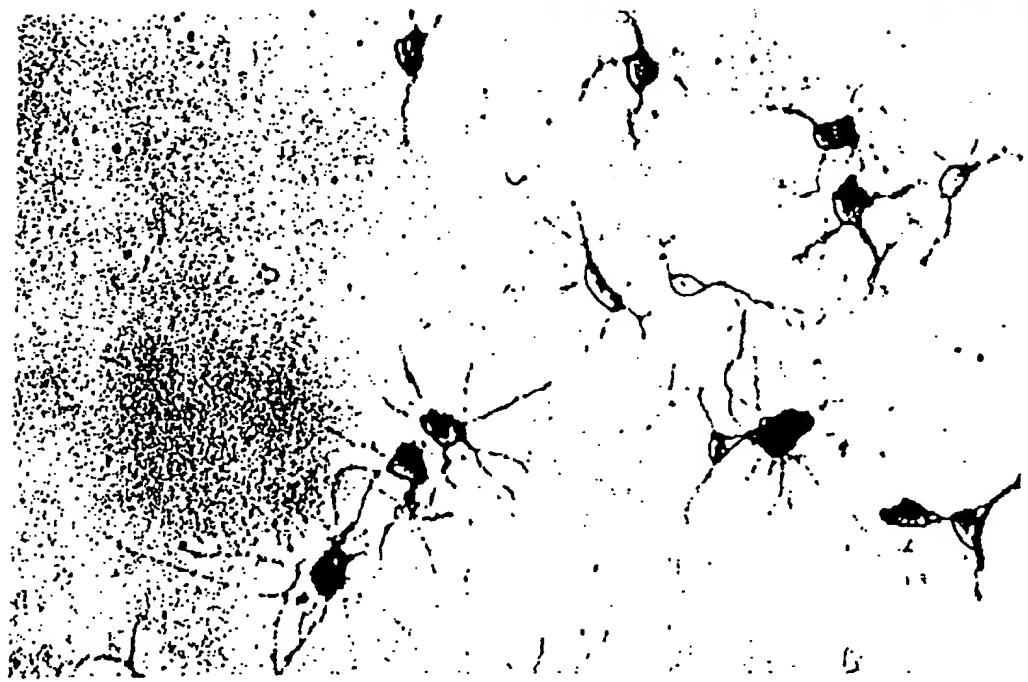


FIG. 22B

Fig 23

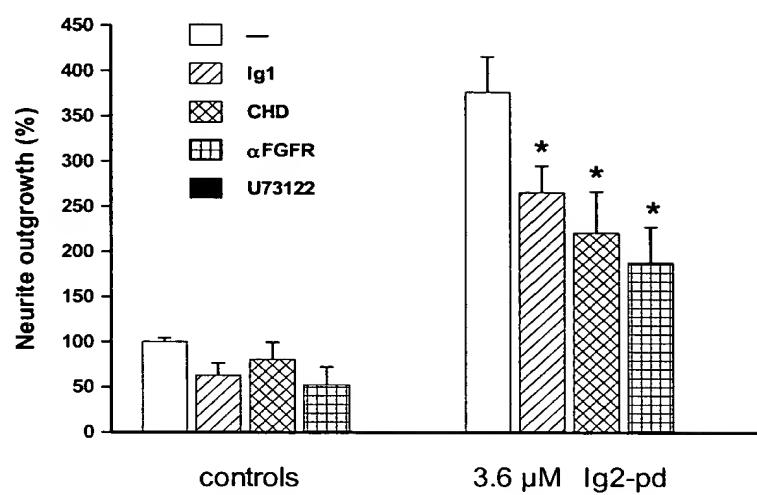


Fig. 24

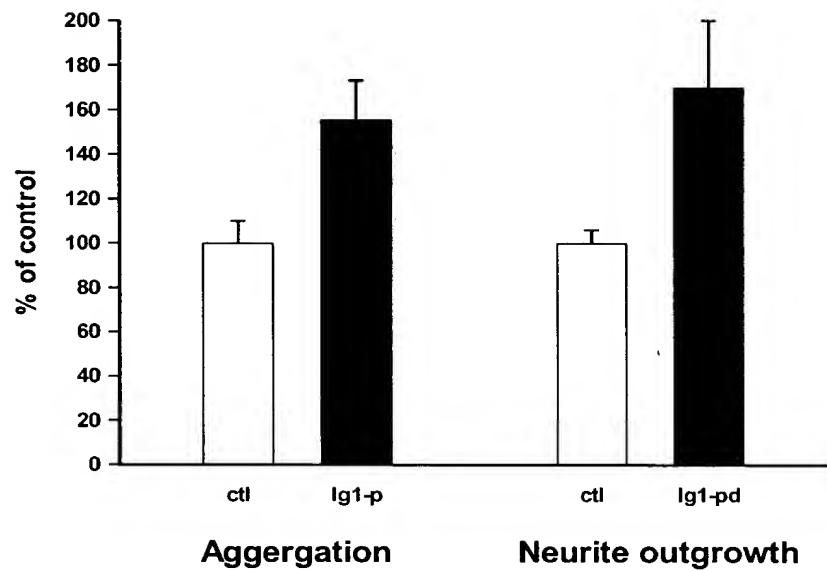
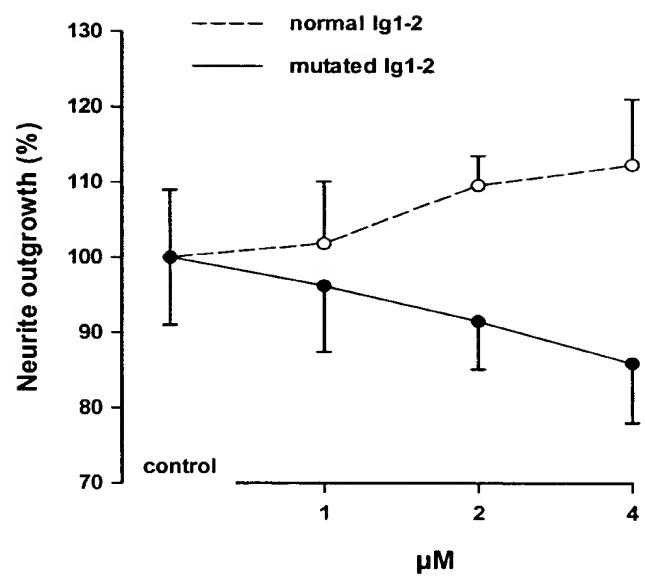


Fig. 25



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